

TDMS No. 99027-04
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4
Pathologist: HEATH, J. - Blackshear, P. - Unknown, U.
F1_M3

Date Report Requested: 09/26/2006
Time Report Requested: 8:27:17
First Dose M/F: 07/29/02 / 07/29/02
Lab: SRI

C Number:	C99027		
Lock Date:	05/03/2005		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 0 PPM	Include 2 0 PPM	Include 3 2000 PPM
	Include 4 2000 PPM	Include 5 10000 PPM	Include 6 10000 PPM
	Include 7 50000 PPM	Include 8 50000 PPM	

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MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM

TOTAL	50	UNCENSORED DEATHS	4	CENSORED DEATHS	0	TERMINAL	46
UNCENSORED DEATHS							
283	600	618	695				
CENSORED DEATHS							
None							

DOSE = 2000 PPM

TOTAL	50	UNCENSORED DEATHS	7	CENSORED DEATHS	0	TERMINAL	43
UNCENSORED DEATHS							
52	376	439	697	710	712	721	
CENSORED DEATHS							
None							

DOSE = 10000 PPM

TOTAL	50	UNCENSORED DEATHS	12	CENSORED DEATHS	0	TERMINAL	38
UNCENSORED DEATHS							
101	584	635	666	670	671	676	676
			684	704	717	724	
CENSORED DEATHS							
None							

DOSE = 50000 PPM

TOTAL	50	UNCENSORED DEATHS	5	CENSORED DEATHS	0	TERMINAL	45
UNCENSORED DEATHS							
25	486	592	661	700			
CENSORED DEATHS							

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None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 PPM	100.0	100.0	100.0	98.0	98.0	98.0	98.0	96.0	94.0	92.0
2000 PPM	98.0	98.0	98.0	98.0	96.0	94.0	94.0	94.0	94.0	86.0
10000 PPM	100.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	76.0
50000 PPM	98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	92.0	90.0

(A) FIRST TERMINAL SACRIFICE
 (B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".
 (C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE
 (D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 PPM	2000 PPM	10000 PPM	50000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	92.0%	86.0%	76.0%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.783N	P=0.532	P=0.062	P=0.983
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	549.0 (91.0)	529.6 (96.4)	625.7 (48.9)	492.8 (122.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	714.6 (9.4)	701.1 (16.0)	704.2 (13.0)	705.4 (15.0)

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FEMALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM

TOTAL	50	UNCENSORED DEATHS	5	CENSORED DEATHS	0	TERMINAL	45
UNCENSORED DEATHS							
22	22	480	704	726			
CENSORED DEATHS							
None							

DOSE = 2000 PPM

TOTAL	49	UNCENSORED DEATHS	5	CENSORED DEATHS	0	TERMINAL	44
UNCENSORED DEATHS							
543	642	663	665	670			
CENSORED DEATHS							
None							

DOSE = 10000 PPM

TOTAL	50	UNCENSORED DEATHS	6	CENSORED DEATHS	0	TERMINAL	44
UNCENSORED DEATHS							
289	628	629	692	702	726		
CENSORED DEATHS							
None							

DOSE = 50000 PPM

TOTAL	50	UNCENSORED DEATHS	11	CENSORED DEATHS	0	TERMINAL	39			
UNCENSORED DEATHS										
235	594	614	617	628	655	659	673	674	717	726
CENSORED DEATHS										

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None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 PPM	96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	90.0
2000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	91.8	89.8
10000 PPM	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	94.0	88.0
50000 PPM	100.0	100.0	98.0	98.0	98.0	98.0	98.0	96.0	86.0	78.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 PPM	2000 PPM	10000 PPM	50000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	89.8%	88.0%	78.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.063	P=1.000	P=1.000	P=0.179
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	390.8 (156.6)	636.6 (23.9)	611.0 (66.4)	617.5 (40.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	695.2 (20.3)	719.6 (4.6)	714.8 (9.2)	704.5 (10.8)

*** END OF REPORT ***

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